

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122316\
 Data File : BM008598.D
 Acq On : 23 Dec 2016 16:45
 Operator : UM/SJ
 Sample : H5970-22RE
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA861

Quant Time: Dec 23 23:41:02 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 23 23:37:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	17	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.42	136	1616	0.40	ng/ul	-0.08
6) Acenaphthene-d10	14.28	164	3116	0.40	ng/ul	-0.03
10) Phenanthrene-d10	17.00	188	13956	0.40	ng/ul	-0.09
16) Chrysene-d12	21.16	240	788	0.40	ng/ul	-0.11
20) Perylene-d12	23.36	264	125025	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.01	152	1381	0.56	ng/ul	-0.09
14) Fluoranthene-d10	19.07	212	55798	1.45	ng/ul	-0.04

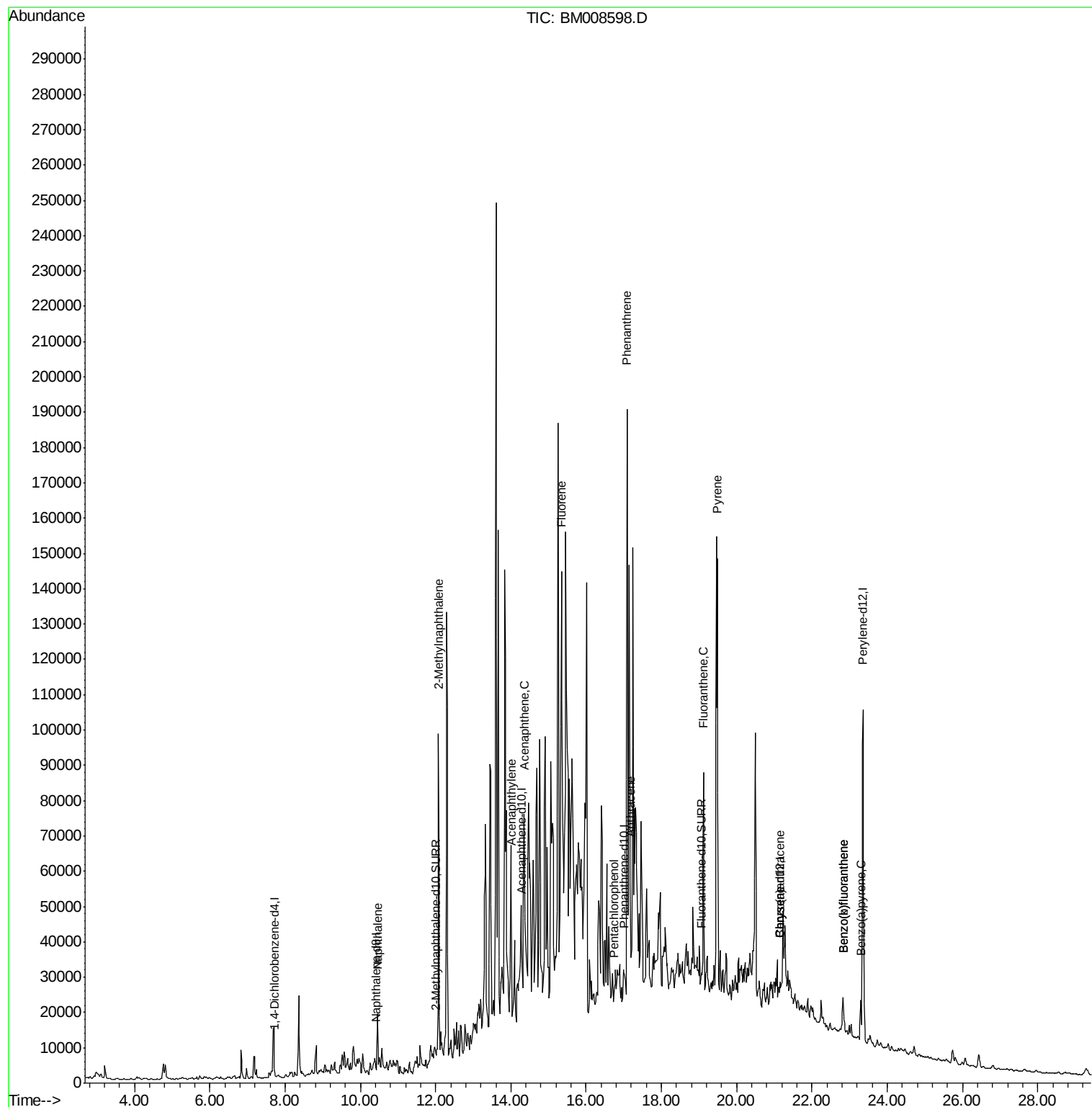
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.46	128	24496	5.39	ng/ul#	95
5) 2-Methylnaphthalene	12.08	142	62786	20.52	ng/ul	100
7) Acenaphthylene	14.01	152	17154	1.22	ng/ul#	1
8) Acenaphthene	14.35	153	39979	3.77	ng/ul	94
9) Fluorene	15.34	166	78801	6.51	ng/ul#	63
11) Pentachlorophenol	16.73	266	120	0.03	ng/ul#	37
12) Phenanthrene	17.09	178	198675	4.66	ng/ul#	90
13) Anthracene	17.18	178	25651	0.62	ng/ul#	76
15) Fluoranthene	19.12	202	61306	1.17	ng/ul	88
17) Pyrene	19.48	202	117887	38.70	ng/ul	96
18) Benzo(a)anthracene	21.16	228	3648	1.41	ng/ul#	1
19) Chrysene	21.16	228	3648	1.29	ng/ul#	1
21) Benzo(b)fluoranthene	22.83	252	15501	0.03	ng/ul	76
22) Benzo(k)fluoranthene	22.83	252	21486	0.04	ng/ul#	73
23) Benzo(a)pyrene	23.29	252	14032	0.03	ng/ul#	68

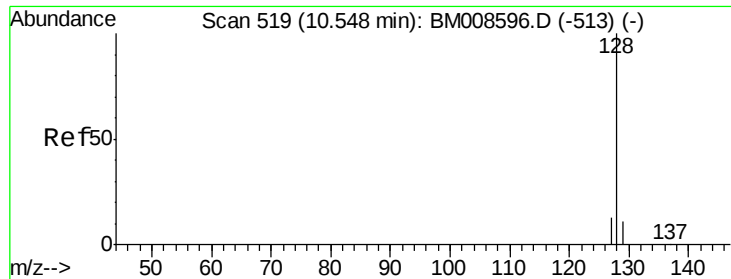
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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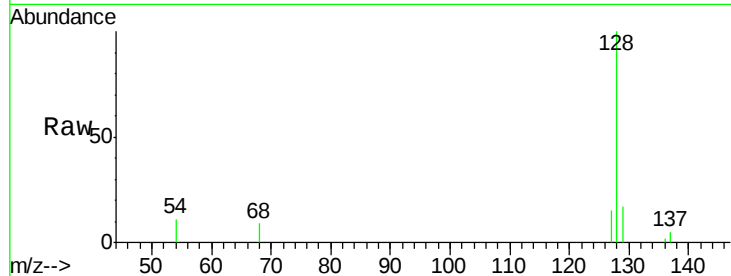




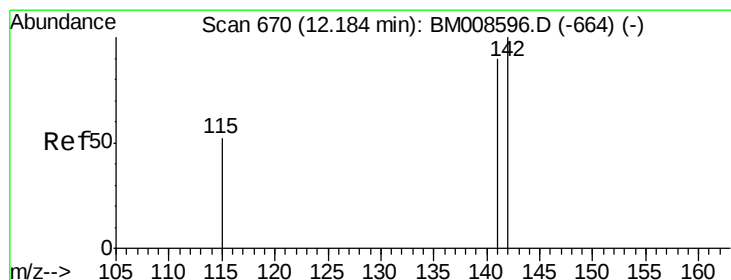
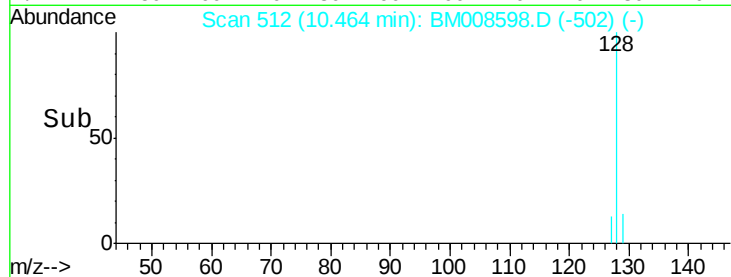
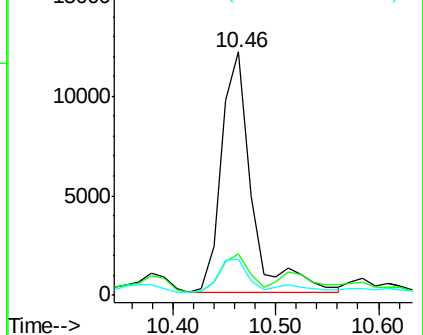
#3
Naphthalene
Concen: 5.39 ng/ul
RT: 10.46 min Scan# 512
Delta R.T. -0.08 min
Lab File: BM008598.D
Acq: 23 Dec 2016 16:45

Instrument :
BNA_M
ClientSampleId :
DA861

Tgt Ion:128 Resp: 24496
Ion Ratio Lower Upper
128 100
129 17.0 11.3 16.9#
127 14.8 12.8 19.2

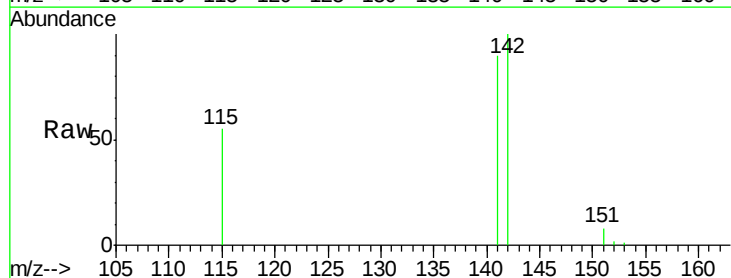


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

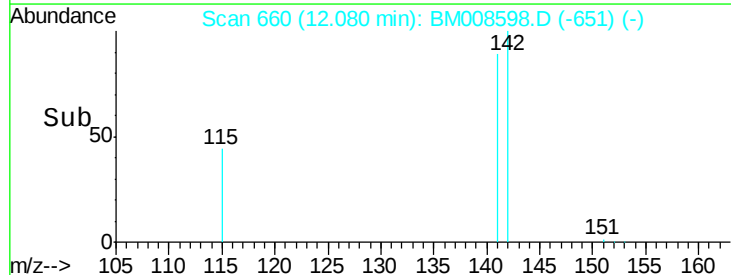
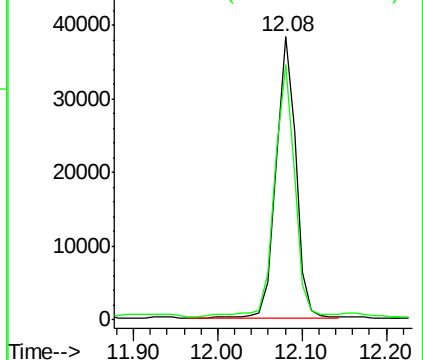


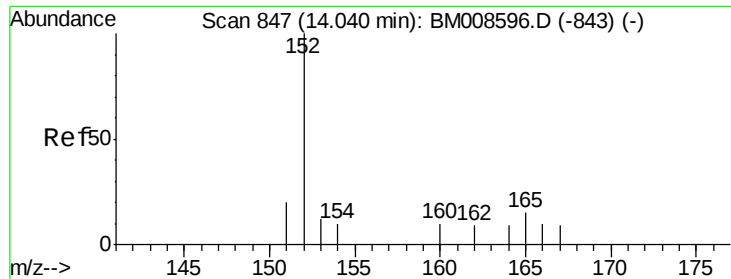
#5
2-Methylnaphthalene
Concen: 20.52 ng/ul
RT: 12.08 min Scan# 660
Delta R.T. -0.10 min
Lab File: BM008598.D
Acq: 23 Dec 2016 16:45

Tgt Ion:142 Resp: 62786
Ion Ratio Lower Upper
142 100
141 90.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.22 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.03 min

Lab File: BM008598.D

Acq: 23 Dec 2016 16:45

Instrument :

BNA_M

ClientSampleId :

DA861

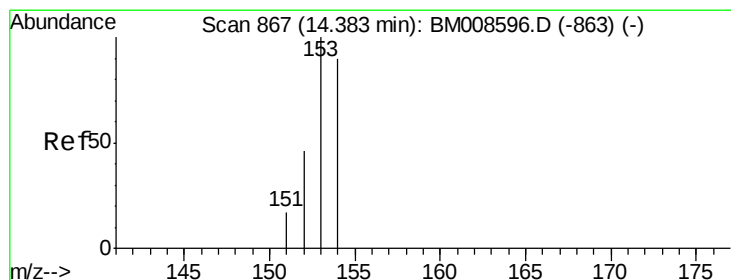
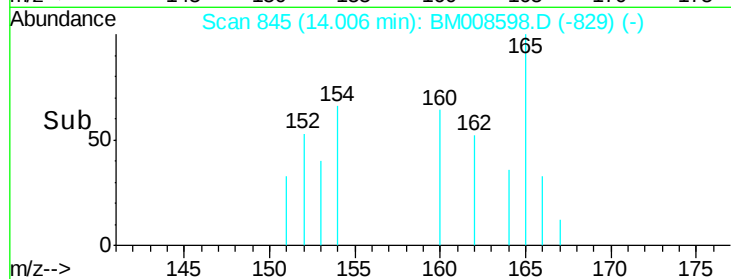
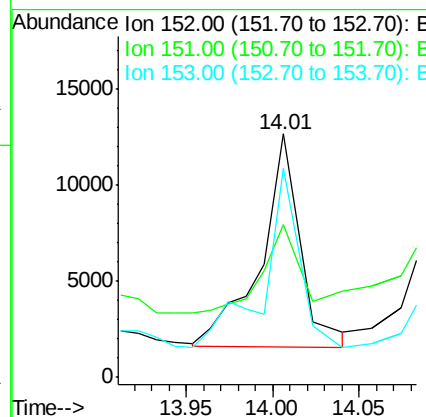
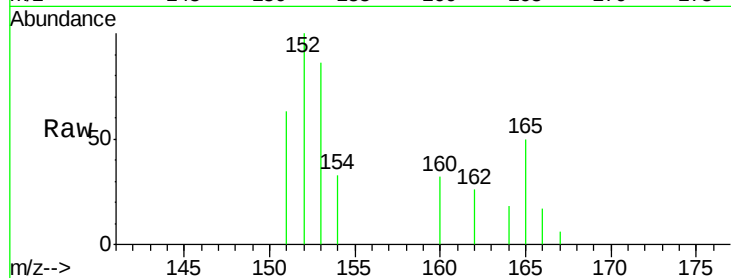
Tgt Ion:152 Resp: 17154

Ion Ratio Lower Upper

152 100

151 62.8 17.1 25.7#

153 85.8 12.8 19.2#



#8

Acenaphthene

Concen: 3.77 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. -0.03 min

Lab File: BM008598.D

Acq: 23 Dec 2016 16:45

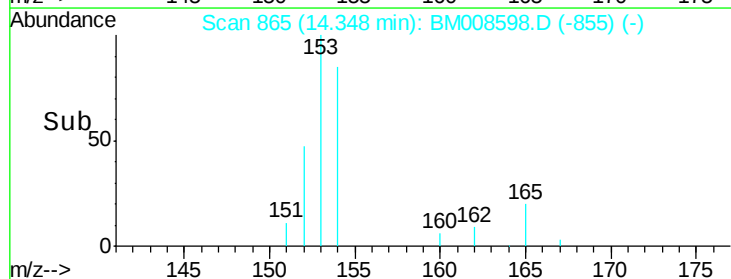
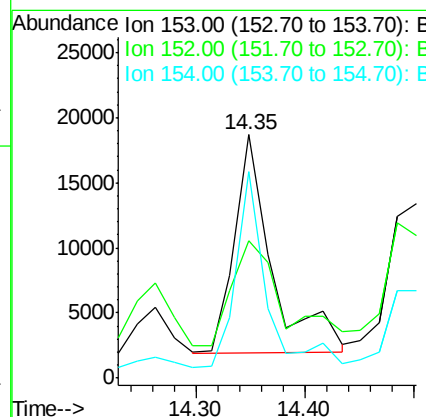
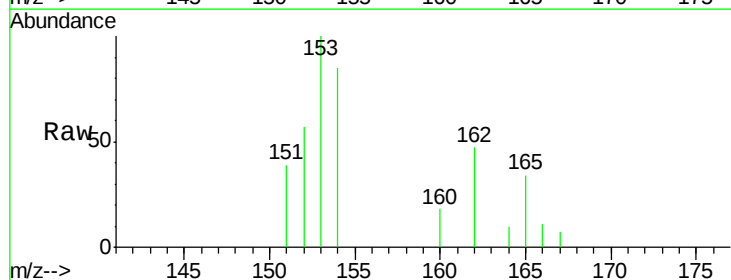
Tgt Ion:153 Resp: 39979

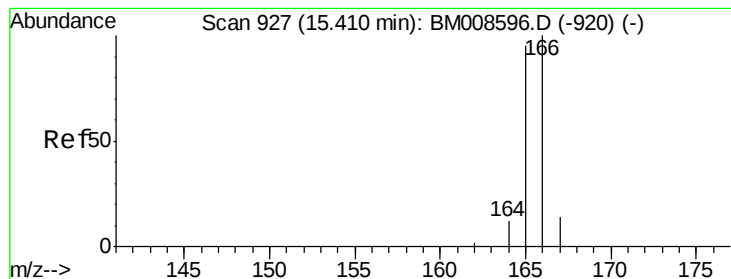
Ion Ratio Lower Upper

153 100

152 56.5 40.3 60.5

154 84.6 71.4 107.2





#9

Fluorene

Concen: 6.51 ng/ul

RT: 15.34 min Scan# 923

Delta R.T. -0.07 min

Lab File: BM008598.D

Acq: 23 Dec 2016 16:45

Instrument :

BNA_M

ClientSampleId :

DA861

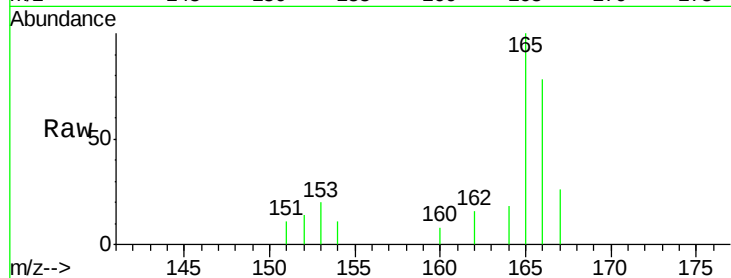
Tgt Ion:166 Resp: 78801

Ion Ratio Lower Upper

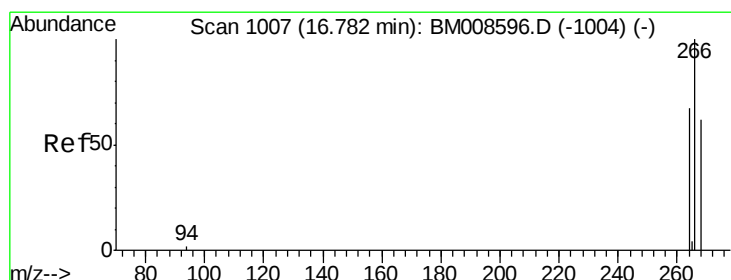
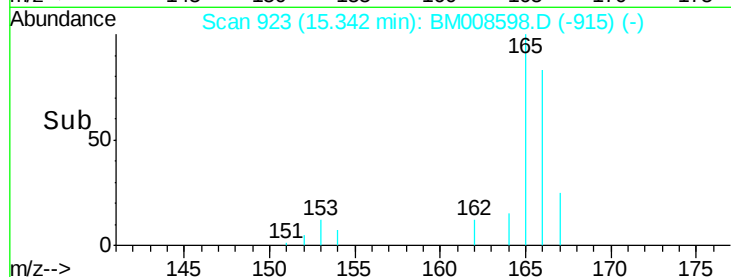
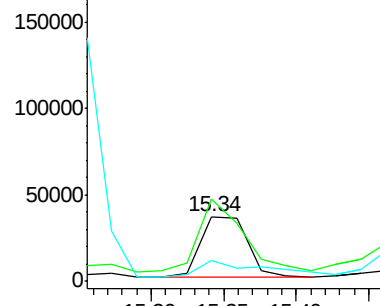
166 100

165 127.5 73.4 110.2#

167 32.8 14.6 22.0#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#11

Pentachlorophenol

Concen: 0.03 ng/ul

RT: 16.73 min Scan# 1004

Delta R.T. -0.05 min

Lab File: BM008598.D

Acq: 23 Dec 2016 16:45

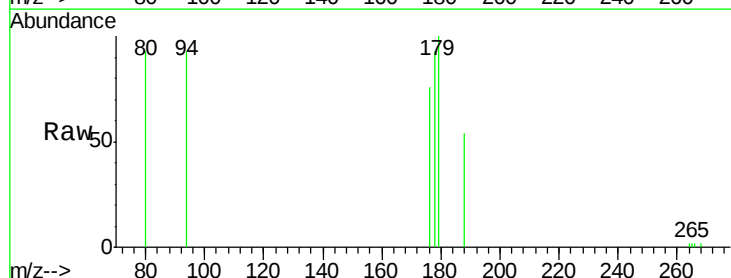
Tgt Ion:266 Resp: 120

Ion Ratio Lower Upper

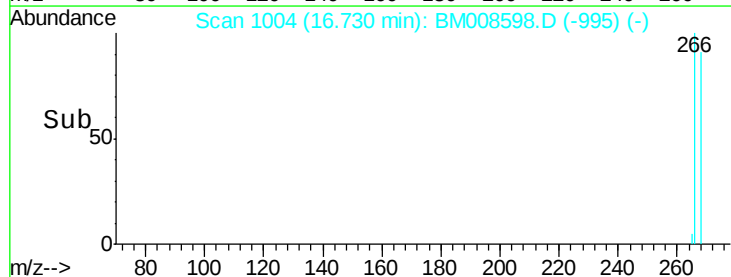
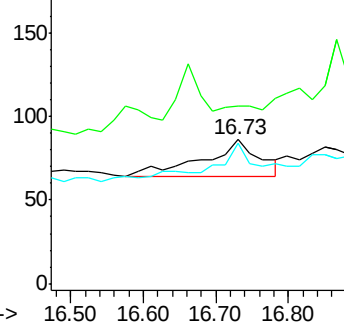
266 100

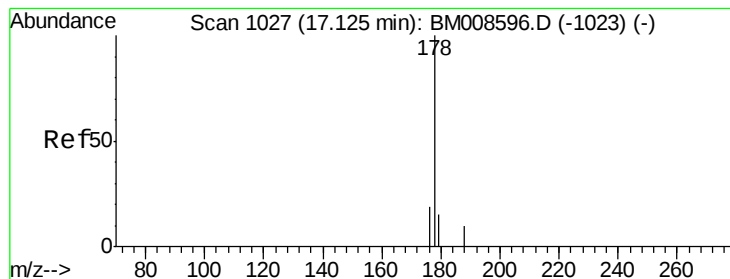
264 0.0 47.9 71.9#

268 98.3 49.8 74.8#



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 4.66 ng/ul

RT: 17.09 min Scan# 1025

Delta R.T. -0.03 min

Lab File: BM008598.D

Acq: 23 Dec 2016 16:45

Instrument :

BNA_M

ClientSampleId :

DA861

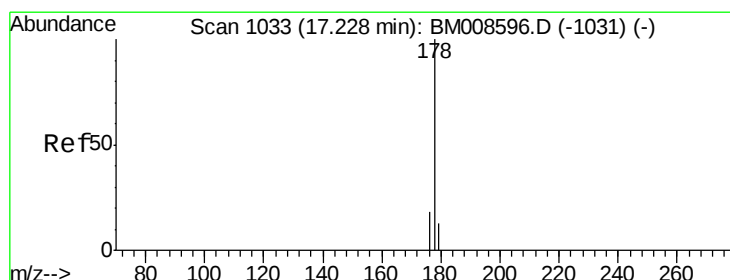
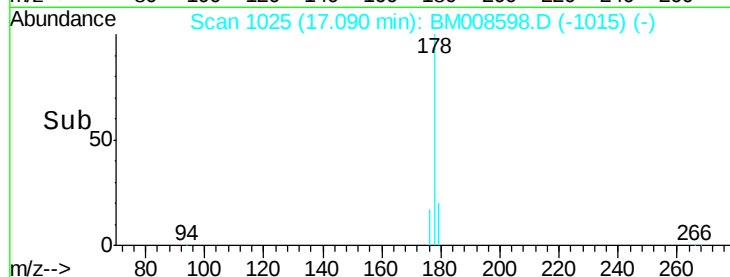
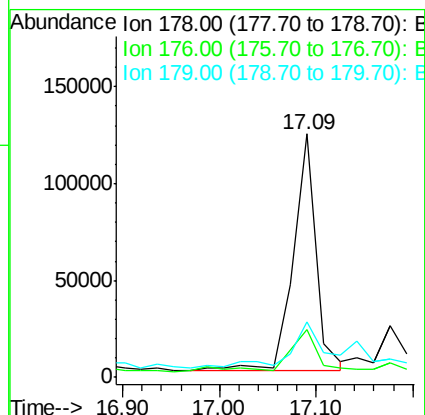
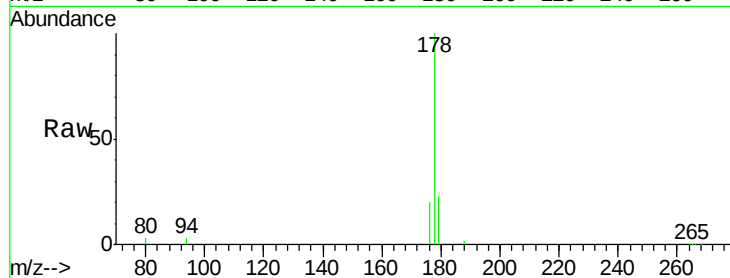
Tgt Ion:178 Resp: 198675

Ion Ratio Lower Upper

178 100

176 19.7 18.4 27.6

179 23.0 13.6 20.4#



#13

Anthracene

Concen: 0.62 ng/ul

RT: 17.18 min Scan# 1030

Delta R.T. -0.05 min

Lab File: BM008598.D

Acq: 23 Dec 2016 16:45

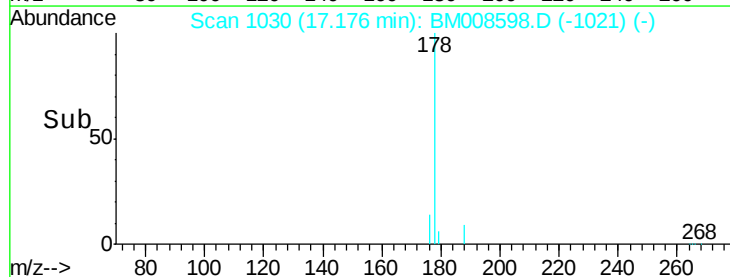
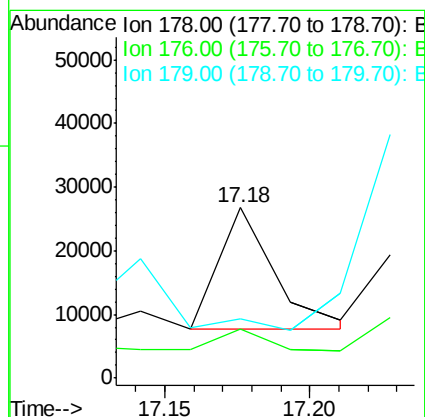
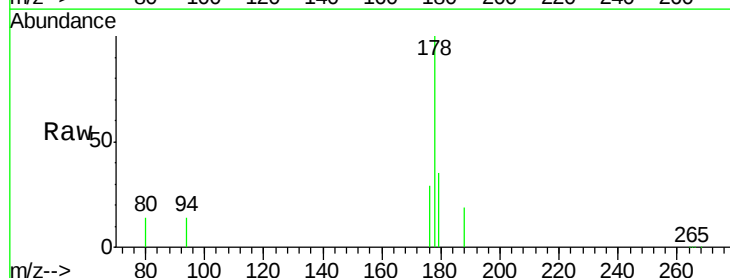
Tgt Ion:178 Resp: 25651

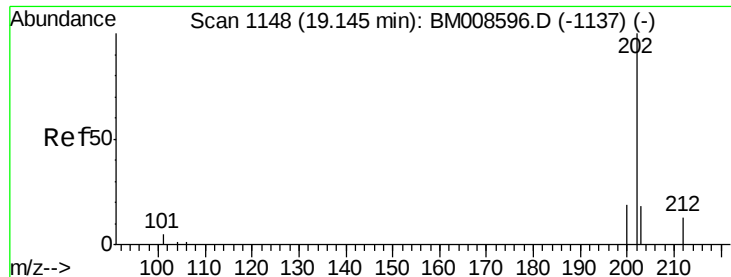
Ion Ratio Lower Upper

178 100

176 29.0 18.1 27.1#

179 35.2 14.7 22.1#

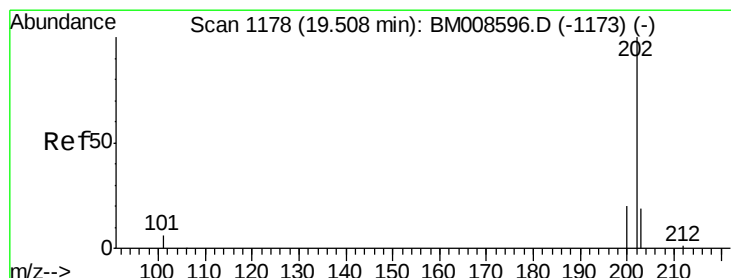
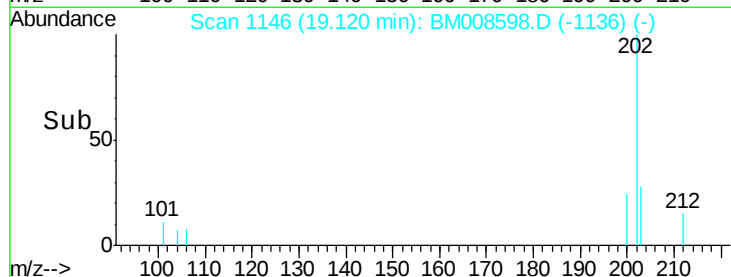
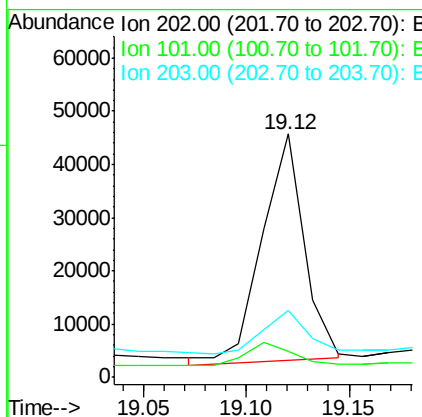
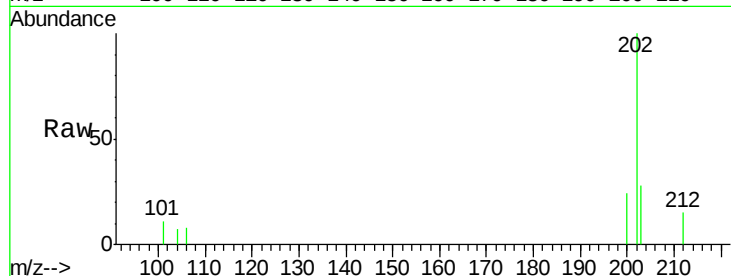




#15
Fluoranthene
 Concen: 1.17 ng/ul
 RT: 19.12 min Scan# 1146
 Delta R.T. -0.02 min
 Lab File: BM008598.D
 Acq: 23 Dec 2016 16:45

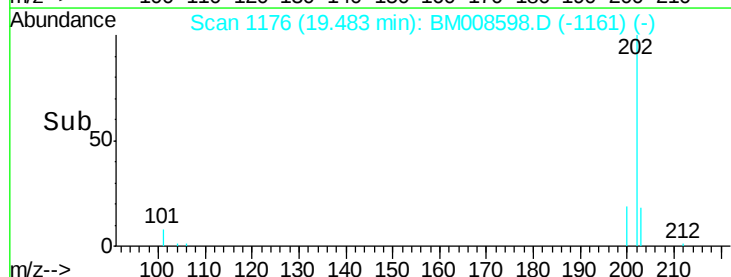
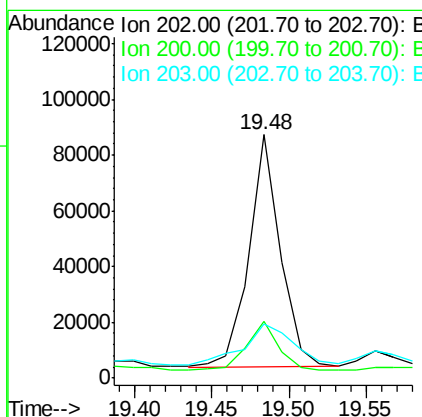
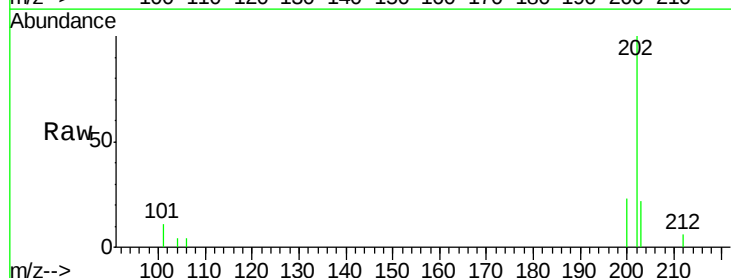
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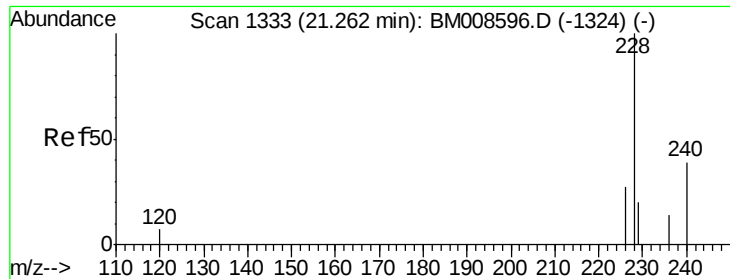
Tgt Ion: 202 Resp: 61306
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 30.3
 203 27.6 0.0 39.5



#17
Pyrene
 Concen: 38.70 ng/ul
 RT: 19.48 min Scan# 1176
 Delta R.T. -0.02 min
 Lab File: BM008598.D
 Acq: 23 Dec 2016 16:45

Tgt Ion: 202 Resp: 117887
 Ion Ratio Lower Upper
 202 100
 200 23.5 18.2 27.4
 203 22.3 15.6 23.4





#18

Benzo(a)anthracene

Concen: 1.41 ng/ul

RT: 21.16 min Scan# 1323

Delta R.T. -0.10 min

Lab File: BM008598.D

Acq: 23 Dec 2016 16:45

Instrument :

BNA_M

ClientSampleId :

DA861

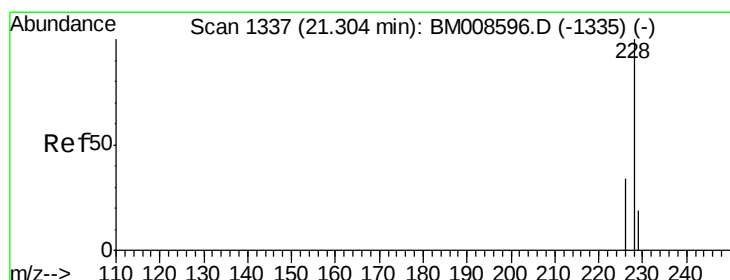
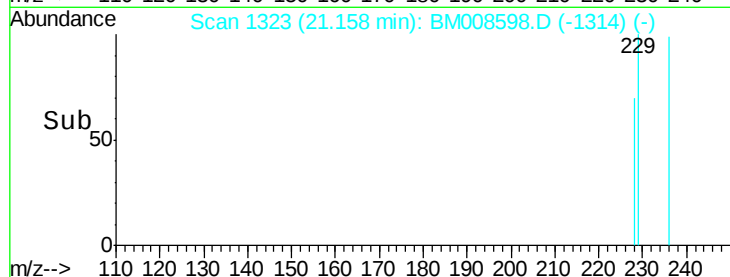
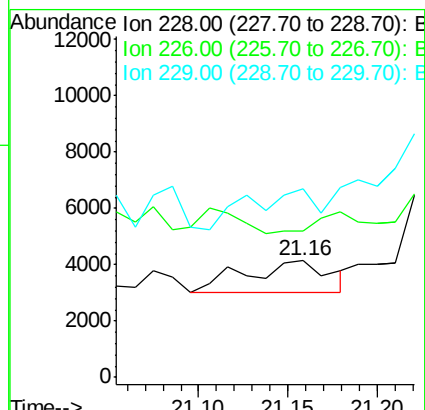
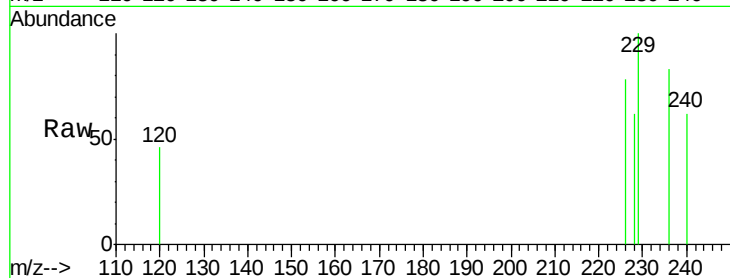
Tgt Ion:228 Resp: 3648

Ion Ratio Lower Upper

228 100

226 125.5 22.8 34.2#

229 161.6 17.0 25.6#



#19

Chrysene

Concen: 1.29 ng/ul

RT: 21.16 min Scan# 1323

Delta R.T. -0.15 min

Lab File: BM008598.D

Acq: 23 Dec 2016 16:45

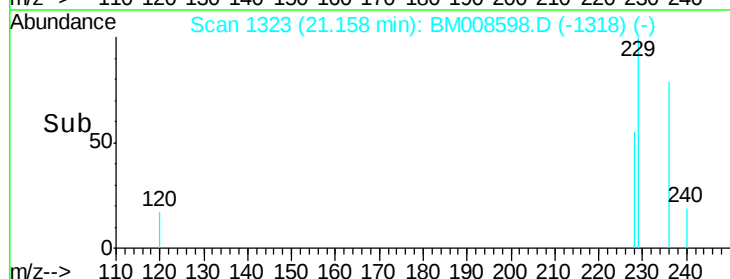
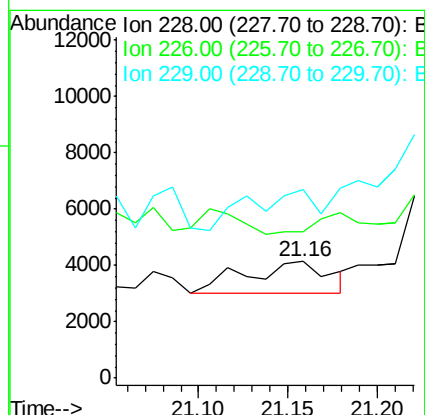
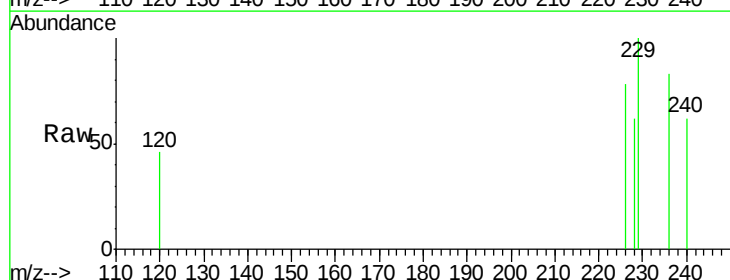
Tgt Ion:228 Resp: 3648

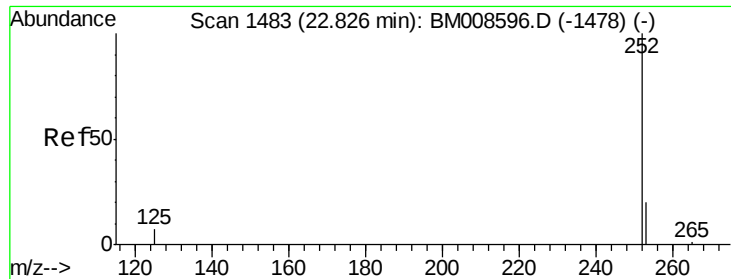
Ion Ratio Lower Upper

228 100

226 125.5 23.4 35.0#

229 161.6 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 0.03 ng/ul

RT: 22.83 min Scan# 1483

Delta R.T. -0.00 min

Lab File: BM008598.D

Acq: 23 Dec 2016 16:45

Instrument :

BNA_M

ClientSampleId :

DA861

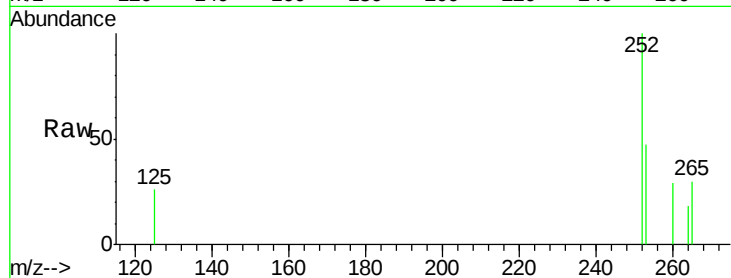
Tgt Ion:252 Resp: 15501

Ion Ratio Lower Upper

252 100

253 46.7 0.0 64.2

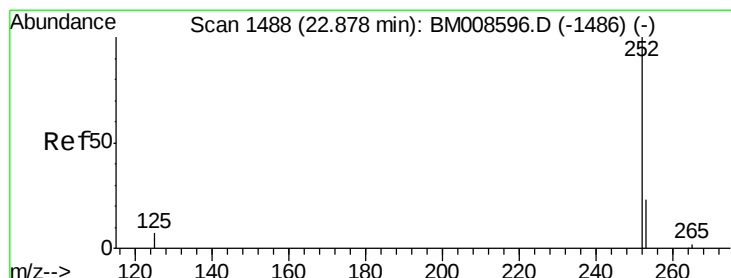
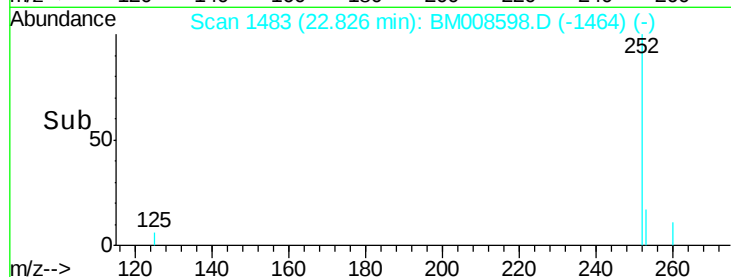
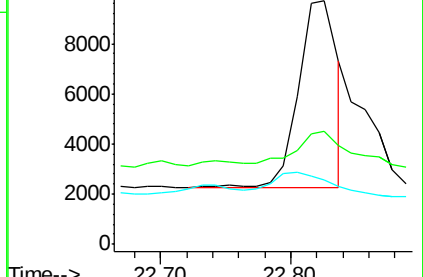
125 26.4 0.0 35.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#22

Benzo(k)fluoranthene

Concen: 0.04 ng/ul

RT: 22.83 min Scan# 1483

Delta R.T. -0.05 min

Lab File: BM008598.D

Acq: 23 Dec 2016 16:45

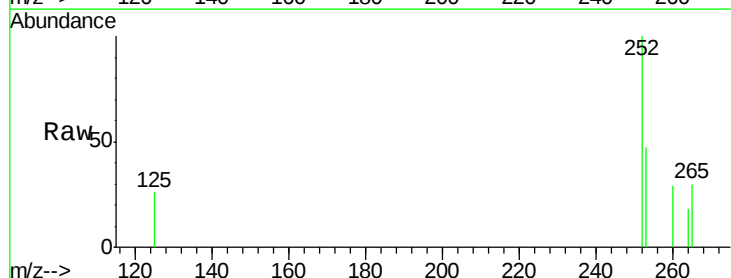
Tgt Ion:252 Resp: 21486

Ion Ratio Lower Upper

252 100

253 46.7 24.5 36.7#

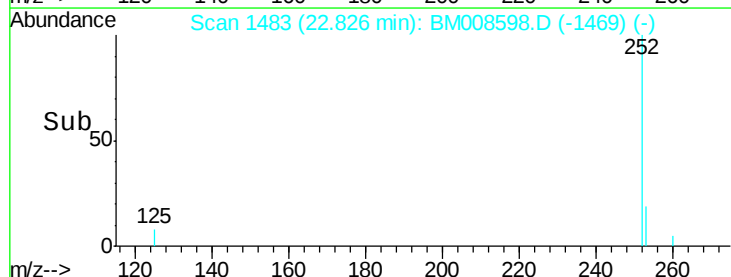
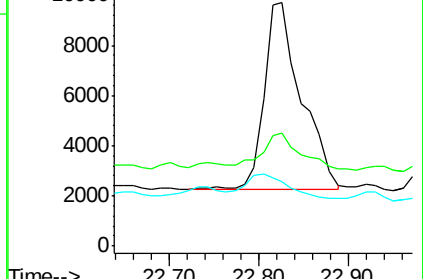
125 26.4 13.7 20.5#

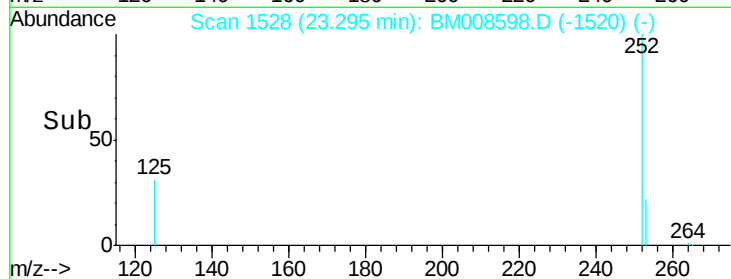
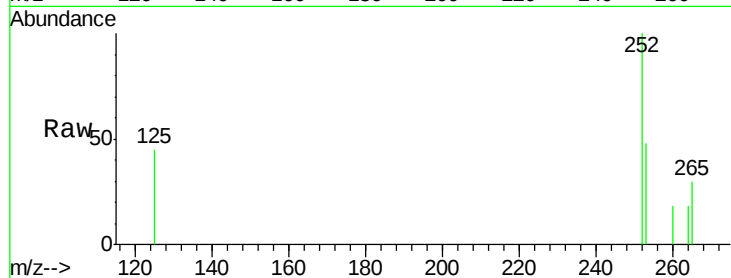
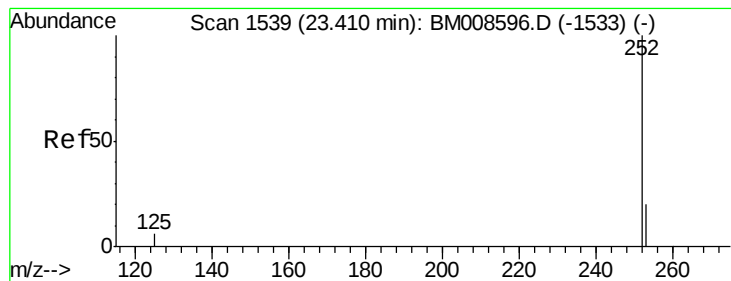


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.03 ng/ul

RT: 23.29 min Scan# 1528

Delta R.T. -0.11 min

Lab File: BM008598.D

Acq: 23 Dec 2016 16:45

Instrument :

BNA_M

ClientSampleId :

DA861

Tgt Ion: 252 Resp: 14032

Ion Ratio Lower Upper

252 100

253 48.3 28.5 42.7#

125 45.3 18.1 27.1#

